

# MDX-C8970

SONY®

US Model

## SERVICE MANUAL

### CORRECTION-1

Correct your service manual as shown below.

Page 16

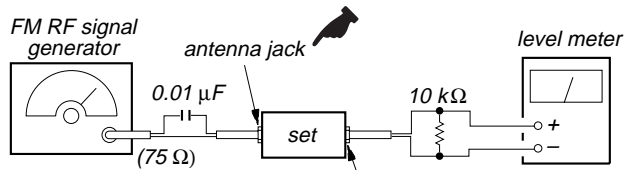
#### ELECTRICAL ADJUSTMENTS

 : Indicates corrected portion.

##### FM Stereo Separation Adjustment (Wide)





Setting:

**[SOURCE]** button : FM



Carrier frequency : 98.00 MHz  
Output level : 70 dB (3.2 mV)  
Mode : stereo  
Modulation : main : 1 kHz, 33.75 kHz deviation (45%)  
sub : 1 kHz, 33.75 kHz deviation (45%)  
19 kHz pilot: 7.5 kHz deviation (10%)

##### Procedure:

1. Set to the test mode. (See page15) 
2. Push the **[SHIFT]** button. 
3. Push the **[4]** button four times. 
4. Push the **[5]** button once and set to wide mode. 
5. Adjust the volume RV3 on FM/AM tuner unit (TU101) for the best separation.

| FM Stereo signal generator output channel | Level meter connection | Level meter reading (dB)                                   |
|---|------------------------|--|
| L-CH                                      | L-CH                   | Ⓐ  |
| L-CH                                      | R-CH                   | Ⓑ <sup>ⓑ</sup><br>Adjust RV3 on TU101 for minimum reading. |
| R-CH                                      | R-CH                   | Ⓒ  |
| R-CH                                      | L-CH                   | Ⓓ <sup>Ⓓ</sup>   |

L-CH Stereo separation: Ⓐ-Ⓑ

R-CH Stereo separation: Ⓒ-Ⓓ

The separations of both channels should be equal.

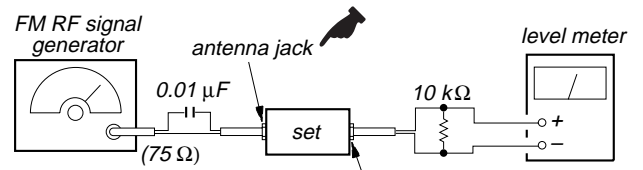
**Specification:** Separation more than 24 dB

**Adjustment Location:** See page 17.

##### FM Stereo Separation Adjustment (Narrow)


Setting:

**[SOURCE]** button : FM



Carrier frequency : 98.00 MHz  
Output level : 70 dB (3.2 mV)  
Mode : stereo  
Modulation : main : 1 kHz, 20 kHz deviation (26.5%)  
sub : 1 kHz, 20 kHz deviation (26.5%)  
19 kHz pilot: 7.5 kHz deviation (10%)

##### Procedure:

1. Set to the test mode. (See page15) 
2. Push the **[SHIFT]** button.
3. Push the **[4]** button four times.
4. Push the **[5]** button twice and set to narrow mode.
5. Adjust the volume RV4 on FM/AM tuner unit (TU101) for the best separation.

| FM Stereo signal generator output channel | Level meter connection | Level meter reading (dB)                                   |
|---|------------------------|--|
| L-CH                                      | L-CH                   | Ⓐ  |
| L-CH                                      | R-CH                   | Ⓑ <sup>ⓑ</sup><br>Adjust RV4 on TU101 for minimum reading. |
| R-CH                                      | R-CH                   | Ⓒ  |
| R-CH                                      | L-CH                   | Ⓓ <sup>Ⓓ</sup>   |

L-CH Stereo separation: Ⓐ-Ⓑ

R-CH Stereo separation: Ⓒ-Ⓓ

The separations of both channels should be equal.

**Specification:** Separation more than 18 dB

**Adjustment Location:** See page 17.